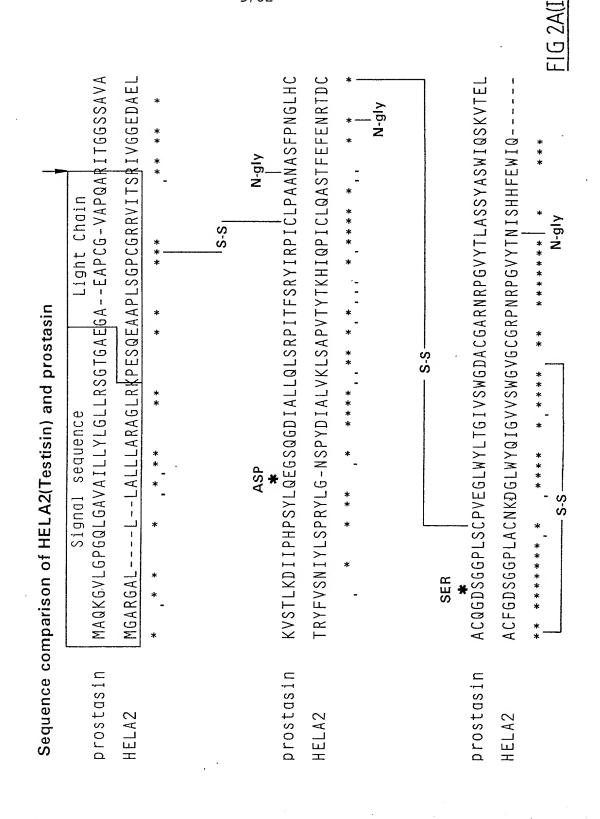


FIG 2A

110 ZA(I) 110 ZA(II)	FIG 2A(I)	FIG 2A(II)
----------------------	-----------	------------



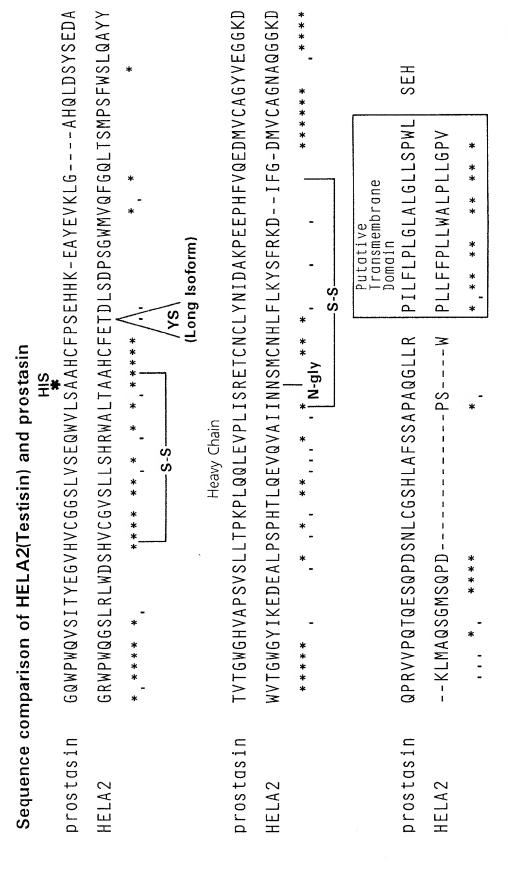
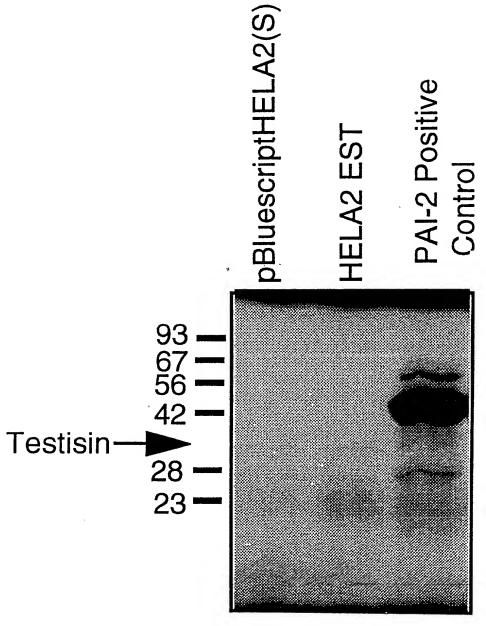


FIG 2B



In vitro transcription / translation of HELA2 (Testisin).

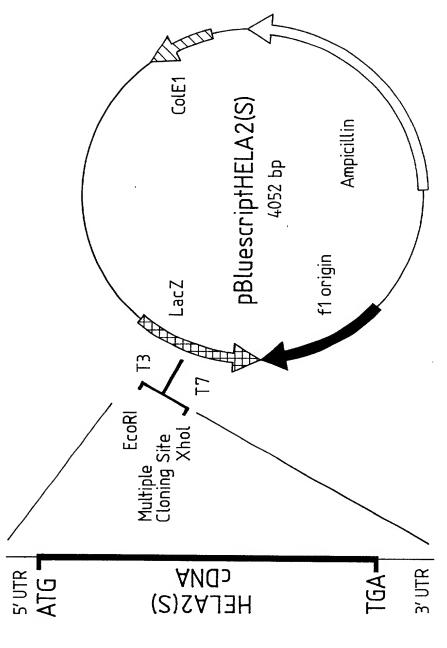
### FIG 3

FIG 3(i)

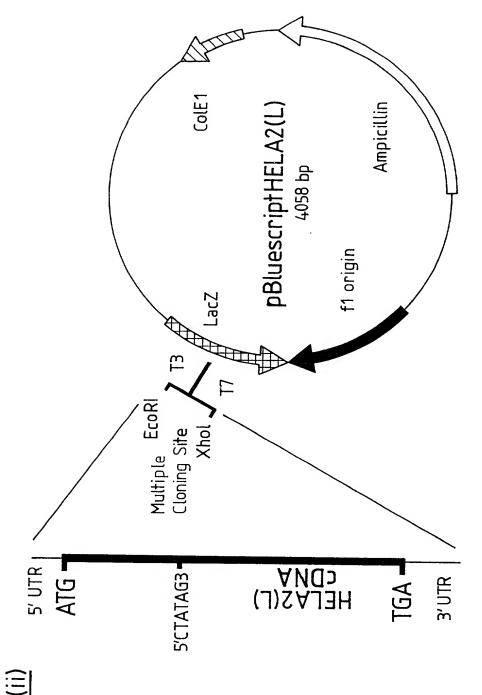
FIG 3(ii)

FIG 3(iii)



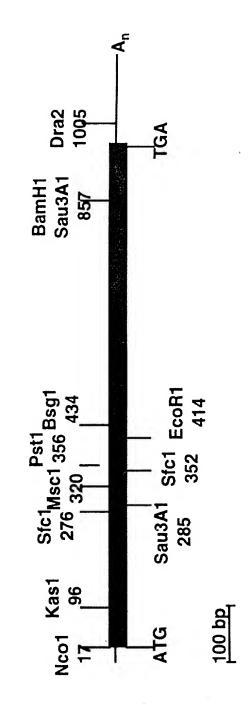


HELA2 (Testisin) Short Isoform



HELA2 (Testisin) Long Isoform

HELA2 (Testisin) Restriction Enzyme Map



F1G 3 (iii

### <u>FIG 4</u>

<u>FIG 4(ii)</u>

<u>FIG 4(iii)</u>

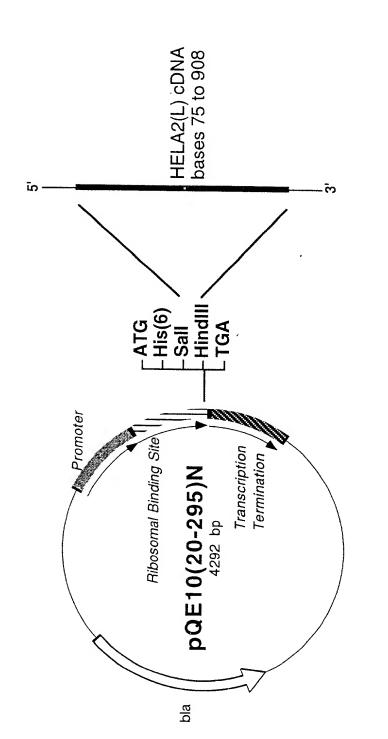
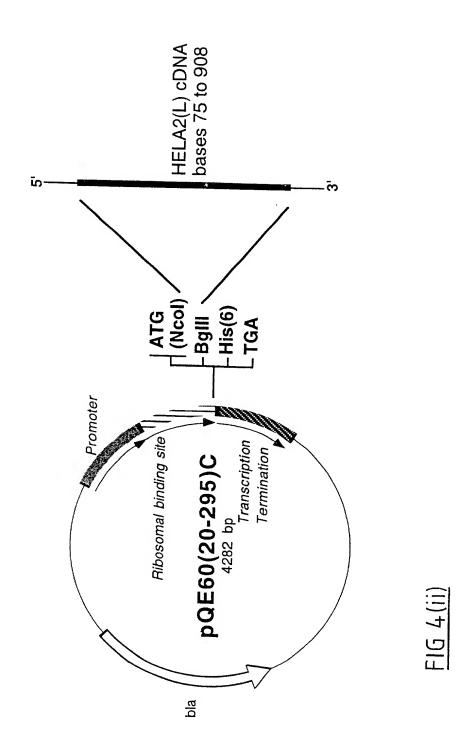


FIG 4(i)



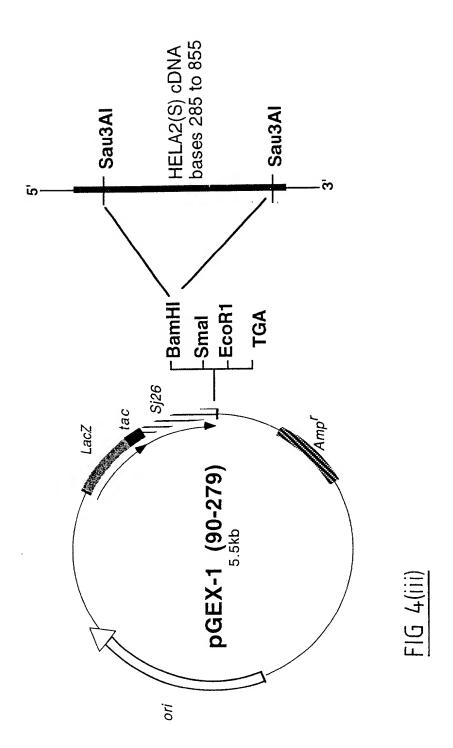
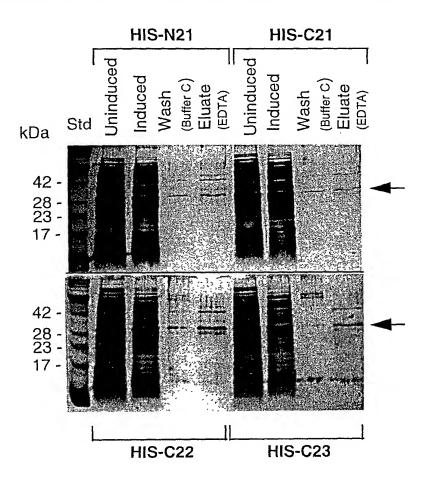


FIG 5

#### A. Expression of recombinant Testisin in E. coli.



#### B. Western blot of recombinant Testisin

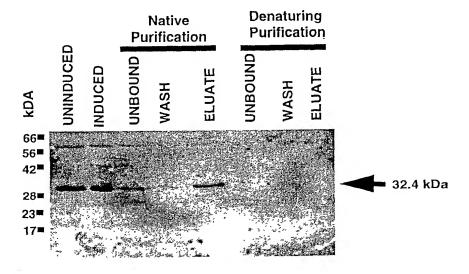


FIG 6(II)

FIG 6(III)

FIG 6

80

Z

H

Ŋ

П П

ഗ

 $\triangleright$ 

Ŋ

ပ

H

ഗ

199

100

M

Ŋ

Д

Д

Ŋ

Н

П

Ŋ

×

闰

259

120

140

Ц

ഗ

Z

 $^{\circ}$ 

Ц

 $\succ$ 

ĸ

Д

Ŋ

Н

Z

Ŋ

379

09

ഗ

U

O,

Ŋ

Д

M

出

Ŋ

IJ

田

A

Ω

田

U

ტ

139

79

# FIGURE 6(I)

		20
STUDE AND	\$CGGGGCGCTGCTGCTGGCGCTGCTGGCT	MGARGALLLALLARRAGLRK
	67	

40 ĸ 又 U U Д ტ Ŋ 口 Ø A 田 Q

CCGGAGTCGCAGGAGGCGCGCCGTTATCAGGACCATGCGGCCGACGGGTCATCACGTCG

CGCATCGTGGGTGGAGGACGCCGAACTCGGGCGTTGGCCGTGGCAGGGGAGCCTGCGC

CTGTGGGATTCCCACGTATGCGGAGTGAGCCTGCTCAGCCACCGCTGGGCACTCACGGCG

GCGCACTGCTTTGAAACCTATAGTGACCTTAGTGATCCCTCCGGGGTGGATGGTCCAGTTT

GGCCAGCTGACTTCCATGCCATCCTTCTGGAGCCTGCAGGCCTACTACACCCGTTACTTC

Q

Ц

ഗ

Σ

Ŀ

ഗ

Д

Z

Ŋ

E

Q

319

GTATCGAATATCTATCTGAGCCCTCGCTACCTGGGGAATTCACCCTATGACATTGCCTTG

## FIGURE 6 (II)

- 160 GTGAAGCTGTCTGCACCTGTCACCTACACTAAACACACAGCCCATCTGTCTCCAGGCC U Д Ø Н 口 K  $\vdash$ Ħ ⋖ Ŋ
- 180 رى ا ≥ U Н > M ပ Д Н 召 Z 闰 띠 499
- 200 GAGGATGAGGCACTGCCATCTCCCCACCCTCCAGGAAGTTCAGGTCGCCATCATAAAC ď  $\gt$ Q > 口 I Q H 江 Д Ŋ Д П А 闰 Д 559
- 220 AACTCTATGTGCAACCACCTCTTCCTCAAGTACAGTTTCCGCAAGGACATCTTTGGAGAC Д X 召 ഥ Ŋ × × 口 ĹΤΙ Ц 口 Z  $\mathcal{O}$ Ŋ 619

17/62

- 240 ATGGTTTGTGCTGGCAATGCCCAAGGCGGGAAGGATGCCTGCTTCGGTGACTCAGGTGGA U О. . . Ø Д X U r Ø ď Z U ď 619
- 260 CCCTTGGCCTGTAACAAGAATGGACTGTGGTATCAGATTGGAGTCGTGAGCTGGGGAGTG  $\triangleright$ U Q × S Ц U Z X Z U Ø Ы 739
- GGCTGTGGTCGGCCCAATCGGCCCGGTGTCTACACCAATATCAGCCACCACTTTGAGTGG 口 口 耳 ഗ Z  $\vdash$  $\succ$ > U Д ĸ Z Д ĸ C 799

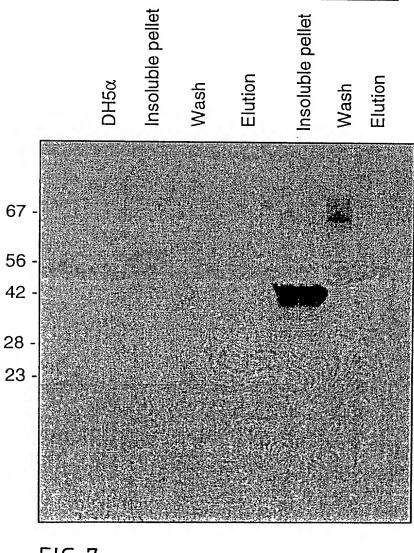
# FIGURE 6 (III)

- 300 ATCCAGAAGCTGATGGCCCAGAGTGGCATGTCCCAGGCCAGACCCCTTCCTGGCCGCTACTC Ц Ц Z W Д Ŏ ഗ Z  $\Box$ Ŋ ď Σ Ы × ŏ 859
- TTTTTCCCTCTTCTCTGGGCTCTCCCACTCCTGGGGCCGGTCTGAGCCTACCTGAGCCCA 314 Д U 니 Н П K Ž Ц Д 919
- 1039 979

AAAAAAAAAAAAAAAA

### Western blot of GST-Testisin using anti-Testisin peptide T175 antibody

Induced



Uninduced

FIG 7

### <u>FIG 8</u>

FIG 8(i)

FIG 8(ii)

FIG 8(iii)

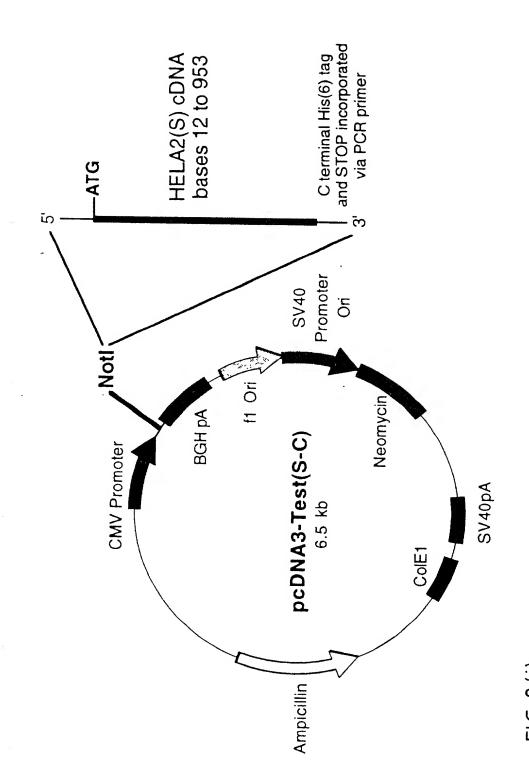


FIG 8(1)

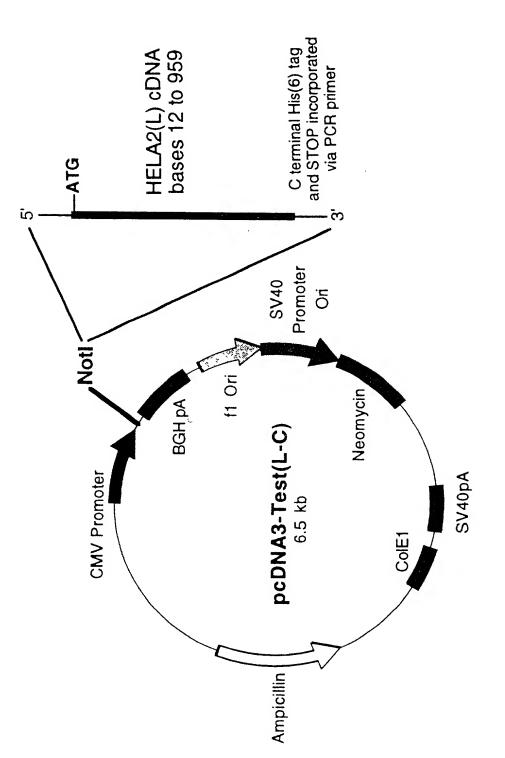


FIG 8(ii)

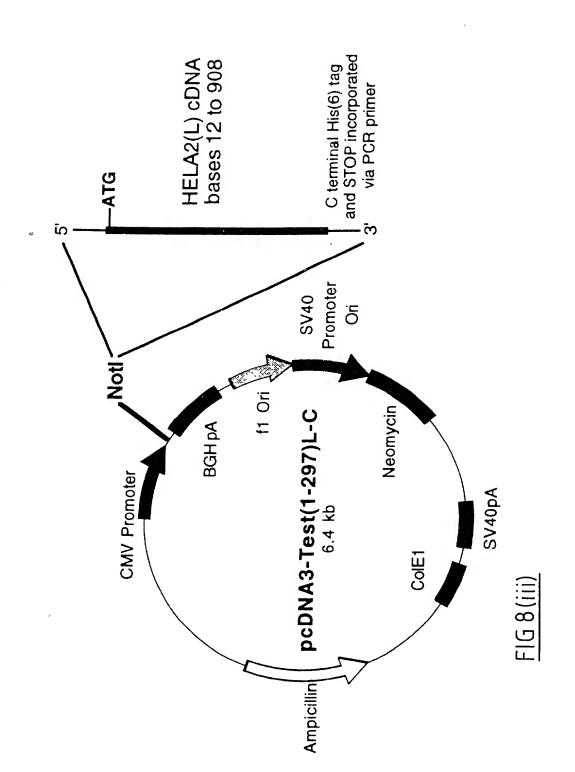


FIG 9

<u>FIG 9(i)</u>	FIG 9(ii)
FIG 9(iii)	FIG 9(iv)

- bnslg biorytt - bnslg ynsvilss - bnslg ynsmmem

adrenal gland-

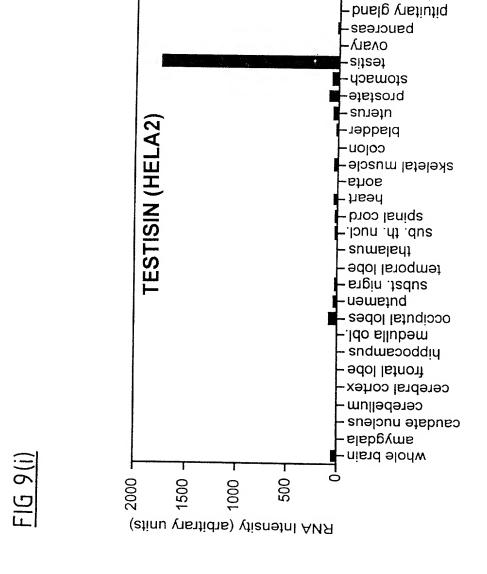
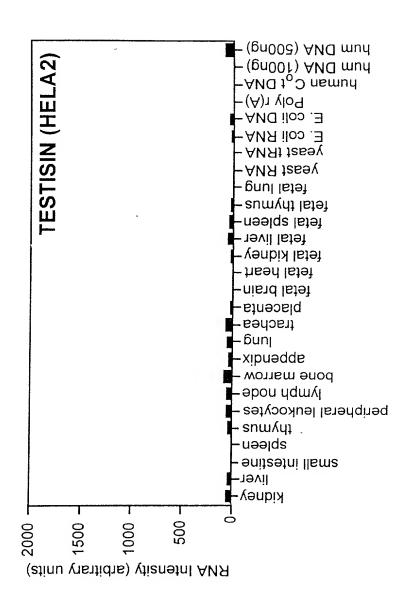
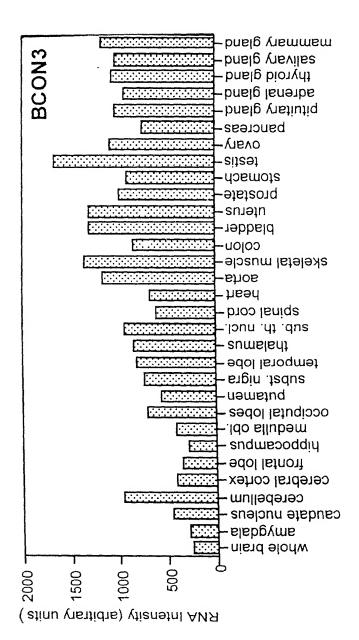


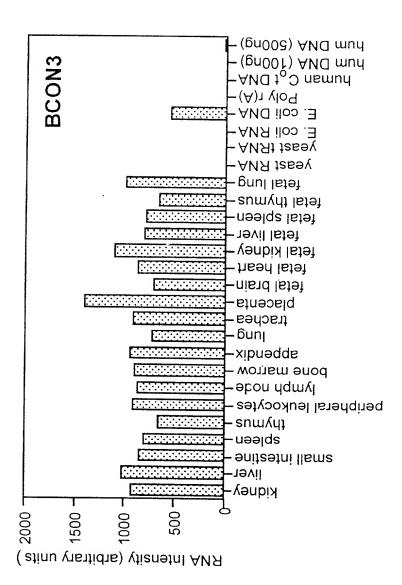
FIG 9(ii)

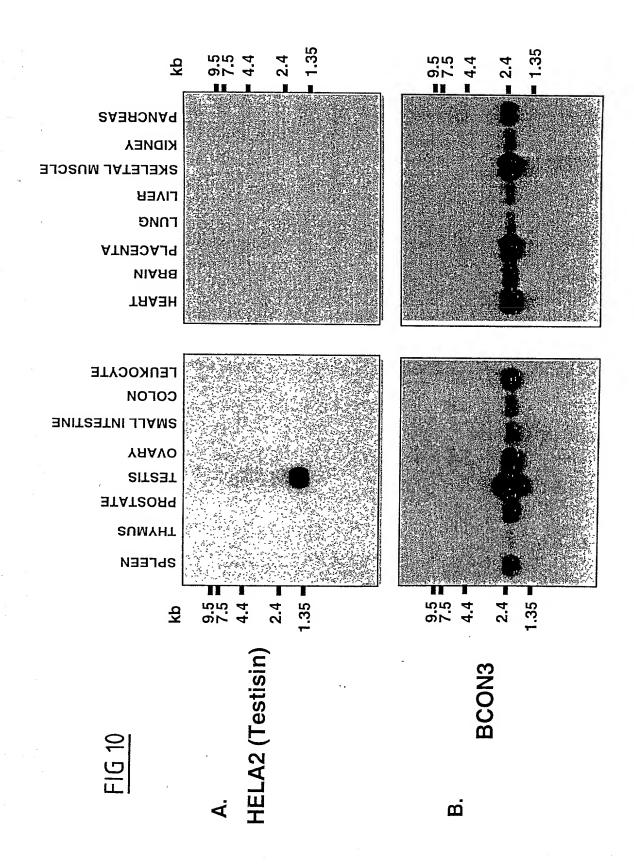


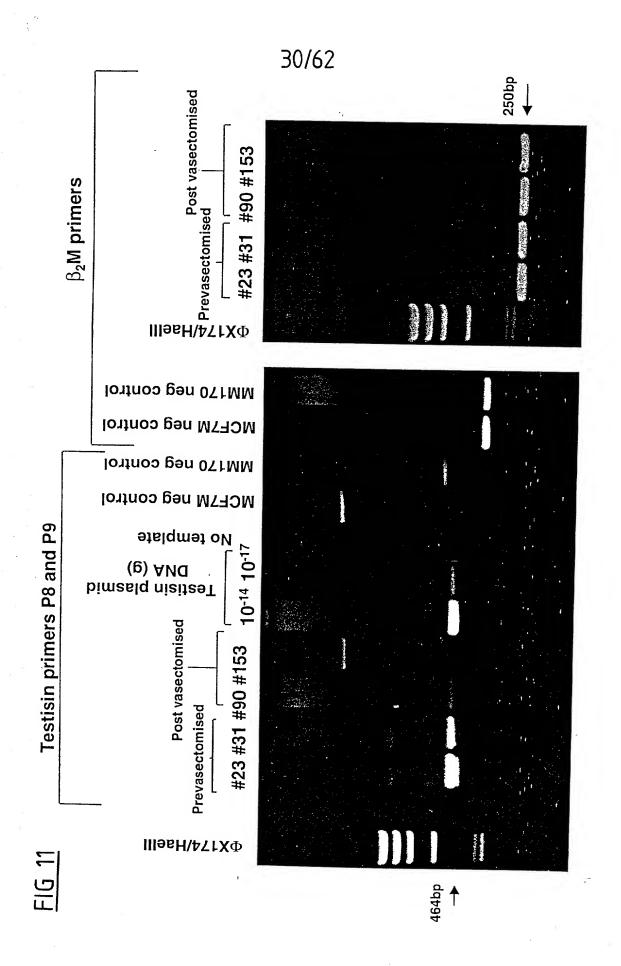












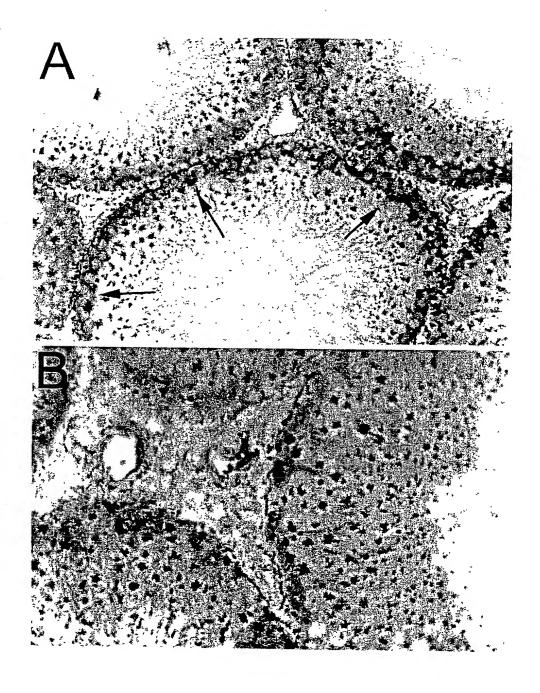
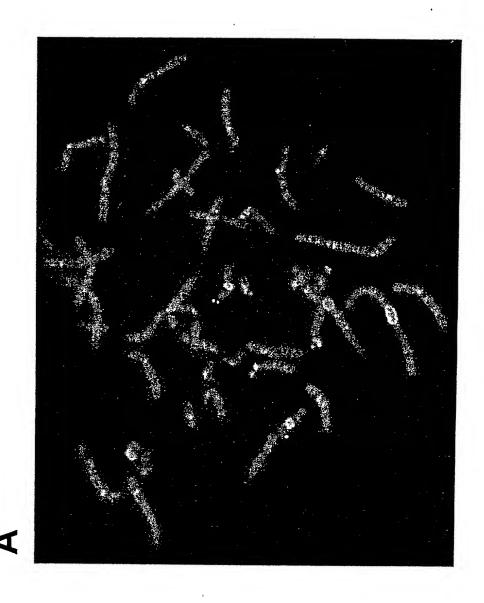
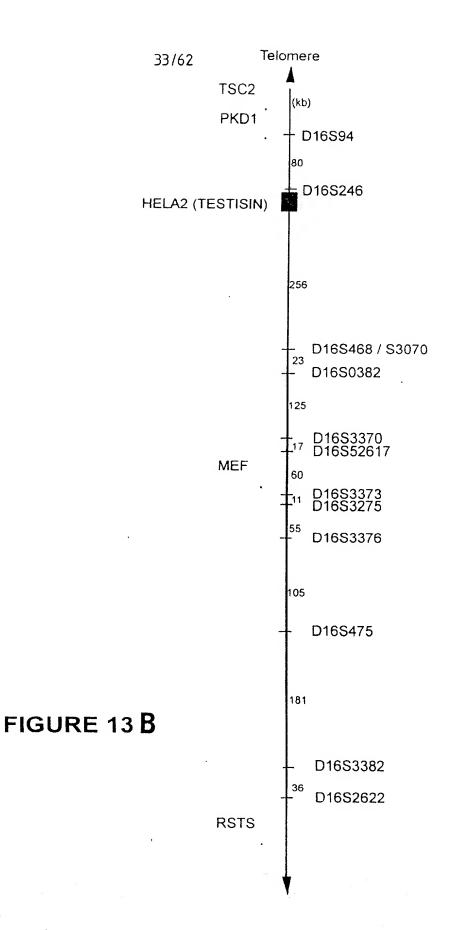
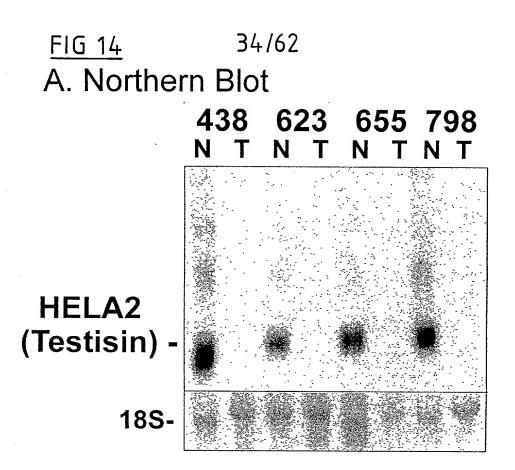


FIG 12

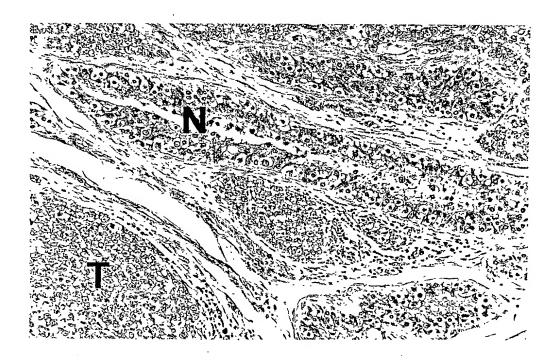
Testisin (HELA2) is located on human chromosome 16p13.3

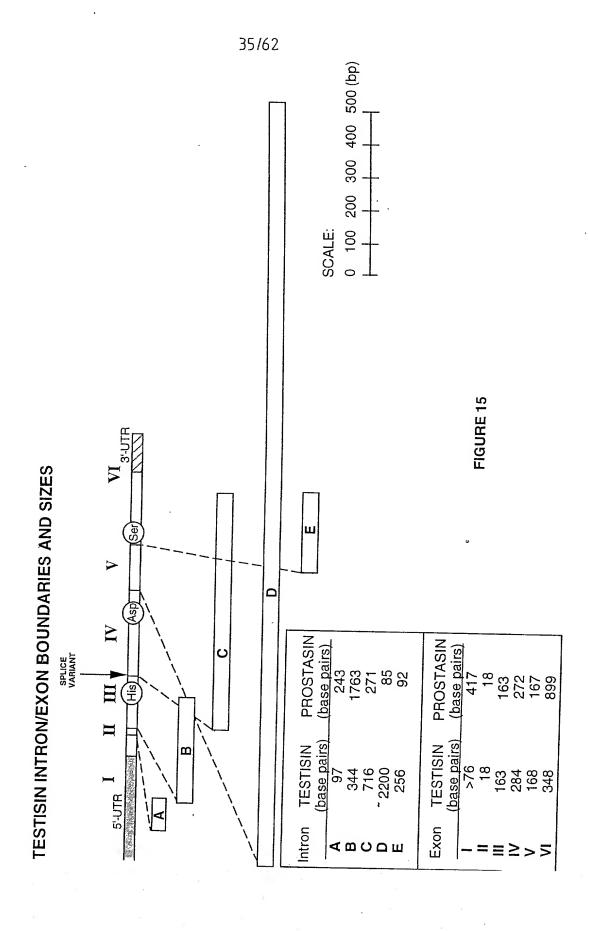






### B. Immunohistochemistry





### FIG 16

<u>110 10</u>
<u>FIG 16(i)</u>
<u>FIG 16(ii)</u>
<u>FIG 16(iii)</u>
FIG 16(iv)
FIG 16(v)
FIG 16(vi)

agtgagtete etgeeteage			\$ <del>+ \$ + \$ \$</del>	C L
כרמככרכש	gc ctcccaagta	gctgggactt	caggtgtgtg	
ccaccatcct cagctaattt	tt ttttttttt	tttttttg	agaaggagtc	100
ttgctctgtc gcccaggctg	tg gagtgcagtg	gcgcgatctt	ccaggcccca	150
ccgggccctc aggaaggcct	ct tgcctacctg	ctttaagggg	actcctggct	200
cagggccagg cccctggtgc	gc tggaggaggt	ggtgggtgga	gggcaggggg	250
caccaagcgg gcagccagga		cccccgggct gcagacaaga	aaaggactgt	300
	/+1EXON 1	L		
ggggtccacc gggtctgggc		CACATCAAGG AATGTGGTTG AAGACCCGCC	AAGACCCGCC	350
CTTAGGAGCT GAAAGCCAGG	GGCCTACCAG	GCGCTACCAG GCCTGAGAGG	CCCCAAACAG	400
CCCTTGGGCC TGGTTTGGGA	3A GGATTAAGCT	GGAGCTCCCA ACCCGCCCTG	ACCCGCCCTG	450
CCCCCAGGGG GCGACCCCGG	೨೦೨೦೨೨೦೦೦೨ ೨೯	GCCCGGCGCG AGAGGAGGCA GAGGGGGCGT	GAGGGGCGT	500
CAGGCCGCGG GAGAGGCC	3C CATGGGCGCG	ವಿಶವಿಶಿತಿಶಿತಿವಿತಿವಿ	TGCTGCTGGC	550
		TNI/	/INTRON A	
GCTGCTGCTG GCTCGGGCTG	rg gactcaggaa	GCCGGgtgag ctcgggggcgc	ctcggggcgc	009
tgctggcggg atggggaggc	yc gggggagcgg	tggggaggac	gggaggtgga	650

### EXON 2.

88668688888	agtcacttct	ggccgcgggg agtcacttct tgtctcccgc agAGTCGCAG GAGGCGGCGC	agAGTCGCAG	GAGGCGCGC	70(
	/INTRON B				
CGTTATCAGg tag	tagggcgccc		aggacgcgc attcctgcca gggccgttgg	gggccgttgg	75(
gccgaggtgg	acggggggcg	gtgagggggt	agaggggggc	ctttactgct	80(
ctctcgcccc	cdcccccddd	atcgagaact	ctgttggcgt	ggaaagtaac	85(
taacggacgc	tggaggggga	tgggcgggcc	ctgcagagca	cgtgggagga	006
tctccagtgt	cacctacttc	ctgctgcaca	cacgcgaggg	gaccctgggt	95(
gggcaaaaac	gtgctttccc	ggacggggtt	gaaggggaga	aagggagagg	1000
tagggattgg	tagggattgg ggggatgaat	cccgcggctc	agcagttcct	ctgaccatcc	1050
/EXON 3	3			, ,	
gagGACCATG	CGGCCGACGG	gagGACCATG CGGCCGACGG GTCATCACGT CGCGCATCGT GGGTGGAGAG	CGCGCATCGT	GGGTGGAGAG	1100
GACGCCGAAC	TCGGGCGTTG	GACGCCGAAC TCGGGCGTTG GCCGTGGCAG GGGAGCCTGC GCCTGTGGGA	GGGAGCCTGC	GCCTGTGGGA	1150
TTCCCACGTA	TGCGGAGTGA	TGCGGAGTGA GCCTGCTCAG CCACCGCTGG GCACTCACGG	CCACCGCTGG	CACTCACE	1200

#### FIG 16(ii

### /INTRON C...

#### F1G 16(ii

### /EXON 4.

TTAGTGATCC 1950	CCATCCTTCT 2000	TATCTATCTG 2050	TGGTGAAGCT 2100	TGTCTCCAGG 2150	GACTGGCTGG 2200		gggtcaggga 2250					
tat <u>ag</u> TGACC TTAGT	GACTTCCATG CCATC	TCGTATCGAA TATCT	GACATTGCCT TGGTG,		CTGCTGGGT GACTG	D	ggggacaggc gggtc					
trctgccagc	TTGGCCAGCT	ACCCGTTACT	TTCACCCTAT	GICTGCACCT GICACCTACA CTAAACACAT CCAGCCCATC	GAGTTTGAG AACCGGACAG ACTGCTGGGT	/INTRON I	GGGTACATCA AAGAGGATGA GGgtgaggct gg					GGgtgaggct gttcccctgc tatgcccctc acacccagtt gagagggagg
ccctgactg ctctcttctc	CTCCGGGTGG ATGGTCCAGT	GGAGCCTGCA GGCCTACTAC	AGCCCTCGCT ACCTGGGGAA	GTCTGCACCT 6	CCTCCACATT TGAGTTTGAG		GGGTACATCA A	GGGTACATCA AS ggaactgtct t	GGGTACATCA A ggaactgtct t cttggtctgg gg	GGGTACATCA AAGAGGATGA ggaactgtct ttgttcacct cttggtctgg gggtgcaggc cctgccaggg cagggaccaa	GGGTACATCA As ggaactgtct to cttggtctgg ggccaggg caggggccaga ag	GGGTACATCA AAGAGGATGA ggaactgtct ttgttcacct cttggtctgg gggtgcaggc cctgccaggg cagggaccaa ggggggccaga aggagagtgt ggggggccaga ggggggggggg

#### 16 16 (iv

 $\approx 4213$ 

caaccccggg aggtggagac tgttgcccca ctctgcagat gcagaaacgg

FIG 16(v)

gccccaggca	tca	appr	approx 1000 bp.		3563
ccaggttgcc	ccttccccca	aggtctggct	ttggatgctt	atgtgaacac	≈3613
cgttttaagt	tgccttggcc	ccttcctcgg	ttcctttttg	gctgaggaat	×3663
ctctccatgg	ctgcaggcag	ggccattgtt	gccattctac	agatagggaa	≈3713
agtgcggctg	ggggagctct	gacagctgtc	cctccccggg	gccttctgtg	≈3763
atgctgctga	gggcctctgt	tgtgctgggg	tctgggttgg	agctgggggt	≈3813
aatggagatg	aacctgccag	gcacagtggg	tgccccaggg	ccccacccc	≈3863
cgcagcctat	gccatccctc	catagagggg	cctcaggttg	ctgtctctct	≈3913
		/EXON 5.	•		
ccttcccact	atcgtccgca	CAGCACTGCC	ATCTCCCCAC	ACCCTCCAGG	×3963
AAGTTCAGGT	CGCCATCATA	AACAACTCTA	TGTGCAACCA	CCTCTTCCTC	≈4013
AAGTACAGTT	TCCGCAAGGA	CATCTTTGGA	GACATGGTTT	GTGCTGGCAA	≈4063
		[/	/INTRON E		
TGCCCAAGGC	TGCCCAAGGC GGGAAGGATG	CCTGCTTCgt	gagtgtcctt	gccaccactc	≈4113
ccagcccagg	aaagcatcct	gtgtccctgt	gccttatttg	accctcatgc	≈4163

#### FIG 16(v

gtggactccatcctgccaatcccacattggcgtggtgcatctccc cattcctccttgggctgcatgggggtgcccctggaggccttggct caatgcaaggctccttgggacagctctgggaggtgacaagacccc acccttctgctgcaggagcaggtcctagactttggttgtggtctg tctgggctccttcatttctgcaggggaccctgggtgttagcaagt agcagcaacaccacagtttcccctcctgcactggaccccagttgt gctcaggtagccagccctccatccagggcccctgactgctctt ctcttctgccagctatagctatagTGACCTTAGTGATCCC EXON IV

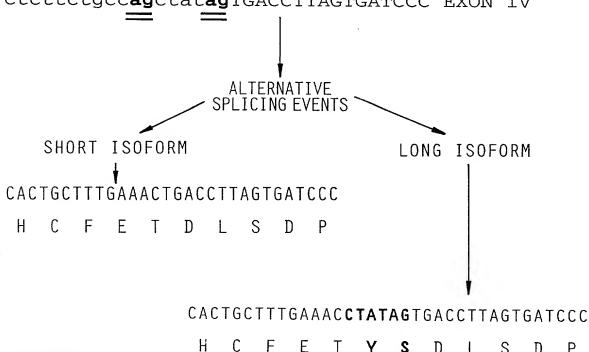


FIGURE 17

FIG 18 (AI)

FIG 18 (AII)

FIG 18(A)

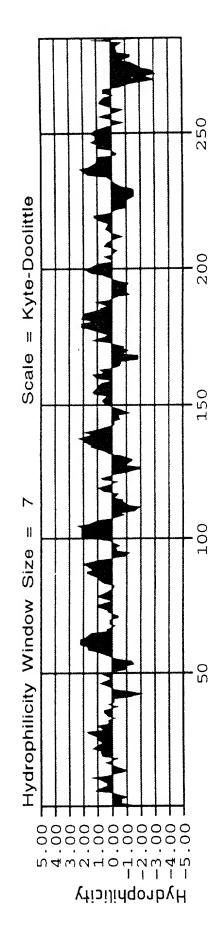
### FIGURE 18 (AI)

- 20 Ŋ 召 Ŋ Д Н ⊱ 召 H ტ ပ Ö ഗ
- 40 TGATGCTGAGCTTGGCCGCTGGCCAAGGGAGCCTGCGTGTATGGGGCAACCACTT 口 Ċ Z  $\triangleright$ 召 Ц ഗ Ċ Q Z Д 3 召 Ŋ 闰 61
- 9 X ATGTGGCGCAACCTTGCTCAACCGCCGCTGGGTGCTTACAGCTGCCCACTGCTTCCAAAA Ø ט H Ø TA W V L K ĸ Z L L H ď ෆ ی 121
- 80 GGATAACGATCCTTTTGACTGGACAGTCCAGTTTGGTGAGCTGACTTCCAGGCCATCTCT  ${\tt D}$   ${\tt N}$   ${\tt D}$   ${\tt P}$   ${\tt T}$   ${\tt V}$   ${\tt Q}$   ${\tt F}$   ${\tt G}$   ${\tt E}$   ${\tt L}$   ${\tt T}$   ${\tt S}$   ${\tt R}$   ${\tt P}$   ${\tt S}$   ${\tt L}$ Ø 181
- 100 CTGGAACCTACAGGCCTATTCCAACCGTTACCAAATAGAAGATATTTTCCTGAGCCCCAA W N L O A Y S N R Y Q I E D I F L S P K 241
- Y T GTACTCGGAGCAGTATCCCAATGACATAGCCCTGCTGAAGCTGTCATCTCCAGTCACCTA Ŋ Ŋ Ц X L Ø Н Д Z Д Q 口 ഗ 301
- 140 CAATAACTTCATCCAGCCCATCTGCCTCCTGAACTCCACGTACAAGTTTGAGAACCGAAC N N F I Q P I C L L N S T Y K F E N R T Ŏ 361
- N 160 TGACTGCTGGGTGACCGGCTGGGGGGCTATTGGAGAAGATGAGAGTCTGCCATCTCCCAA വ H 团 Ç C × Ö Ö

## FIGURE 18 (AII)

- 180 K 481 CACTCTCCAGGAAGTGCAGGTAGCTATTATCAACAACAGCATGTGTAACCATATGTACAA 口 Z U Ŋ Z ď O 回 Q
- 200 AAAGCCAGACTTCCGCACGAACATCTGGGGAGACATGGTTTGCGCTGGCACTCCTGAAGG 闰 Ö ď ر ک  $\triangleright$ Σ Д ෆ M Н Z E 公 541
- 220 ΔL TGGCAAGGATGCCTGCTTTGGTGACTCGGGAGGACCCTTGGCCTGCGACCAGGATACGGT Q G G P L A C D വ G D ر بر K Д 601
- 240 U GTGGTATCAGGTTGGAGTTGTGAGCTGGGGGAATAGGCTGTGGTCGCCCCAATCGCCCTGG W Y Q V G V V S W G I G C G R P N R P G ĸ 661
- 260 AGTCTATACCAACATCAGTCATTACAACTGGATCCAGTCAACCATGATCCGCAATGG I Ŋ õ Н Ŋ X N H н ഗ Н Z T X 721
- 280 285 L L R P D P V P L L L F L T L A W A S S TTTGCTGAGGCCTGAGGCCCACACGTGTACGTCACCTGTGAGGTCAGGGTGTGTC GCTGCTCAGGCCTGACCCAGTCCCCTTGCTACTGTTTCTTACTCTGGCCTGGGCTTCCTC 781 841
- 901





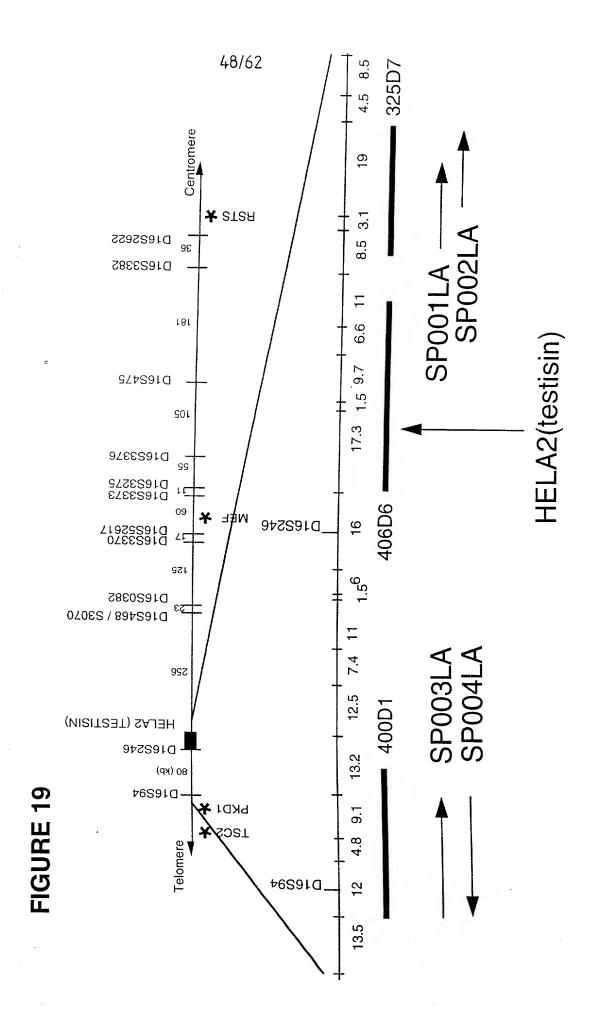


FIG 20A(AI)

FIG 20A(AII)

FIG 20A(AIII)

FIG 20A(A)

K

Q K V G

### FIGURE 20A (AI)

- 09 CTGAACCGGGGTTGTGGGCGGCGAGGACAGCACTGACAGCGAGTGGCCCTGGATCGTGAGC 口  $\mathcal{Q}$ RVV V G
- ATCCAGAAGAATGGGACCCACCACTGCGCAGGTTCTCTGTCACCAGCCGCTGGGTGATC W Ц Ŋ Ŋ Ø Ü 江 出 H ტ Q K N 21
- 180 ACTGCTGCCCACTGTTTCAAGGACAACCTGAACCATACCTGTTCTCTGTGCTGCTG f T f A f A f B f C f F f K f D f N f L f N f K f P f Y f L f F f S f V f L f L41
  - 240 전 있 Ŋ U 61
- GAGCCCCACCCTGTATTCCTGGAAGGAAGGTGCCTGTGCCAGACATTGCCCTGGTGCGT  ${
  m E}$   ${
  m E}$   ${
  m P}$   ${
  m V}$   ${
  m Y}$   ${
  m S}$   ${
  m W}$   ${
  m K}$   ${
  m E}$   ${
  m G}$   ${
  m A}$   ${
  m C}$   ${
  m D}$   ${
  m I}$   ${
  m A}$   ${
  m L}$   ${
  m V}$   ${
  m R}$ 81
- 360. CTCGAGCGCTCCATACAGTTCTCAGAGCGGGTCCTGCCCATCTGCCTACCTGATGCCTCT Н 멌 口 ഗ Ø Ŋ 101
- ტ Ç Ŋ 121

## FIGURE 20A (AII)

480 GTTCCCTTGCCCCCCCCTCAGACCCTGCAGAAGCTGAAGGTTCCTATCATCGACTCGGGAA 口 ഗ × X Ø Д E 二 Д 141

540 GTCTGCAGCCATCTGTACTGGCGGGGAGCAGGACAGGGACCCATCACTGAGGACATGCTG 口 Н Д C Ŏ Ċ K r 吖 Z × П Ή Ŋ Ü 161

009 TGTGCCGGCTAACTTGGAGGGGGGGGGATGCTTGTCTGGGCGACTCCGGGGGCCCCTTC r Ü (Z) Д U L C Ø Я О П ŗ 闰 Ц × r ⋖ 181

099  $\mho$ r 口 U Z Ŋ Н Н Ü Ø Н 口 Z Ċ D V 201

720 GCCGAGCGCAACAGGCCCGGGGTCTACATCAGCCTCTCTGCGCACCGCTCCTGGGTGGAG Ŋ 田 Ø Ŋ Н ഗ Н × Ċ Д  $\alpha$ Z 221

780 AAGATCGTGCAAGGGGTGCAGCTCCGCGGGCGCGCTCAGGGGGGGTGGGGCCCTCAGGGCA 出 Ğ U U A Q ĸ ט ĸ Ы ŏ  $\triangleright$ U Õ 241

840 CCGAGCCAGGGCTCTGGGGCCCGCGCGCGCTCCTAGGGGCCCCAGCGGGACGCGGGGCTCGG Ŋ 召 ø ø Ø  $\Box$ Ŋ r 261

960 ATCTGAAAGGCGGCCAGATCCACATCTGGATCTGGATCTGCGGCGGCCTCGGGCGGTTTTC CCCCGCCGTAAATAGGCTCATCTACCTCTACCTCTGGGGGCCCGGACGGCTGCTGCGGAA

# FIGURE 20A (AIII)

1020 1080 1140 CCGCCCAACGGCCTCATGTCCCCCCCCCACGACTTCCGGCCCCCGGCCCCGGGCCCCAGCG AGGAAACCCCCCCCGACCCCGACGGCCTCAGGCCCCCGCCTCCAAGGCATCAGGCC CTTTTGTGTATATAAATGTTAATGATTTTTTATAGGTATTTGTAACCCTGCCACATATCT TATTTATTCCTCCAATTTCAATAAA

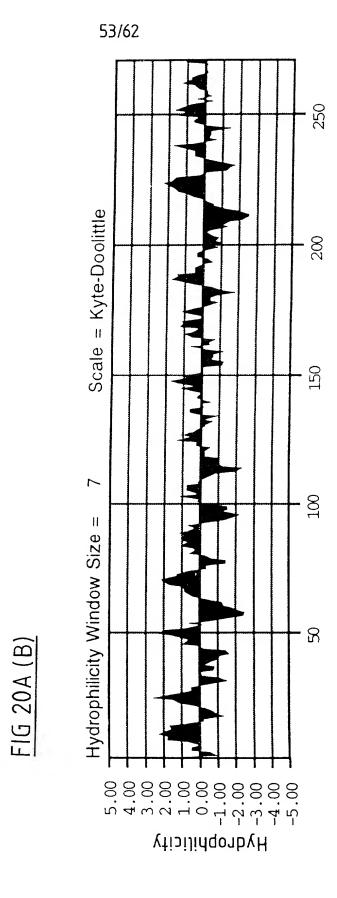


FIG 20B(AI)

FIG 20B(AII)

FIG 20 B (A)

### FIGURE 20B (AI)

- 09 O Ø G Ŋ  $R \nabla I$ Ö 口 × 口
- U H U  $\triangleright$ ഗ  $\vdash$ J M 口 ტ  $\triangleright$ Õ 21
- 180 TCATCCACCCACGCTGGGTGCTCACAGCCGCCCACTGCTTCCTGAGGTCTGAGGATCCCG П <sub>ا</sub>  $\equiv$ A A H T  $\triangleright$ ⋈ 召 41
- 240 GGCTCTAUCATGTTAAAGTCGGAGGGCTGACACCCTCACTTTCAGAGCCCCACTCGGCCT W Д 闰 ഗ Ц Ŋ Д 口 ტ ტ 61
- 300 TGGTGGCTGTGAGGAGGCTCCTGGTCCACTCCTCATACCATGGGACCACCACCAGCGGGG U Ŋ U ഗ 口 Ц ద ĸ 81
- ACATTGCCCTGATGGAGCTGCACCCTTGCAGGCCTCCCAGTTCAGCCCCATCTGCC Ø Ц Д ഗ П IJ
- TCCCAGGACCCCAGACCCCCTCGCCATTGGGACCGTGTGCTGGGTAAACGGGGCTGGGGG U Ü Н Ü Н 口 Ŏ  $\mathcal{Q}$ 121
- TCCACTCAGGAGAGGCCCTGGCGAGTGTCCTTCAGGAGGTGGCTGTGCCCCCTCCTGGACT Õ 口 141

## FIGURE 20B (AII)

540 ტ ď Ŋ 口 G Ц 口 Z 口 Ü  $\mathbb{Z}$ 161

009 Ø ひ ഗ Д 又 X G Q ഗ  $\mathcal{Q}$ Ø Ü Ы Z Д 181

ACTCCGGGGGGCCGCTGGTCTGCCCCATCAATGATACGTGGATCCAGGCCGGCATTGTGA 660 N H Д Z Д U G P L Vტ 201

GCTGGGGATTCGGCTGTGCCCGGCCTTTCCGGCCTGGTGTCTACACCCAGGTGCTAAGCT 720 X A ტ Д 以 Įτι C A R P 
 CD

ഗ <u>გ</u> ഗ 田 Ŋ 口 П H Z 241

840 Ы Ŋ Ŋ H U ഗ 口 Ŋ Ö 261

TGTTGACCGTATGCTTGCGTCCCTGTGAACCATGAGCCATGGAGTCCGGGATCCCC 900 ഗ ტ Ц 281

TTTCTGGTAGGATTGATGGAATCTAATAAAA

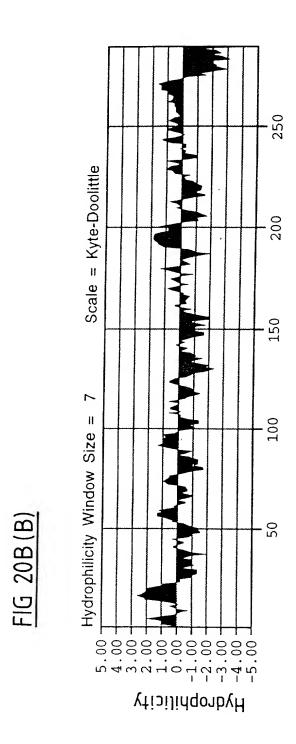


FIG 20C(AI)

FIG 20C(AII)

FIG 20C(A)

FIGURE 20C (AI)

09 U  $R \nabla M$ 

AGTGGCCCTGGCAAGTCAGCATCCAGCGCAACGGAAGCCACTTCTGCGGGGGCAGCCTCA Ŋ r ෆ Ü ഗ U Z Ŋ TCGCGGAGCAGTGGGTCCTGACGGCTGCGCACTGCTTCCGCAACACCTCTGAGACGTCCC Ŋ Z 凶 ഥ Ü  $\equiv$ Ø T A Z 41

240 口 U Õ ᆸ Ø 吆 G A I I 61 300 CCCGGGTGAGGCAGGTGGAGCAACCCCCTGTACCAGGGCACGGCCTCCAGCGCTGACG ഗ ഗ E ෆ Õ × Д Z ഗ 闰 81

360 TGGCCCTGGTGGAGCTGGAGCACCAGTGCCCTTCACCAATTACATCCTCCCCGTGTGCC N ᄄ E A P V P Н 闰 101 121

480 GCCCCAGTGAGGAAGACCTCCTGCCGGAACCGCGGATCCTGCAGAAACTCGCTGTGCCCA 召 闰 团 ഗ 141

FIGURE 20C (AII

TCATCGACACCCCAAGTGCAACCTGCTCTACAGCAAAGACACGGAGTTTGGCTACCAAC 540 Ω × ഗ ⊱ 口 口 Ü 161

CCAAAACCATCAAGAATGACATGCTGTGCGCCTTCGAGGAGGGCAAGAAGATGCCT 600 Ċ 口 ഥ ෆ ď Ü 니 Ω Z × 181

GCAAGGGCGACTCGGCCCCCCTGGTGTCCTCGTGGGTCAGTCGTGGCTGCAGGCGG 660 r > Ü (V) 201

GGGTGATCAGCTGGGGTGAGGGCTGTGCCCGCCAGAACCGCCCAGGTGTCTACATCCGTG 720 ტ Д 吐 Z Q 出 ď <sub>ا</sub> EI CD M G വ

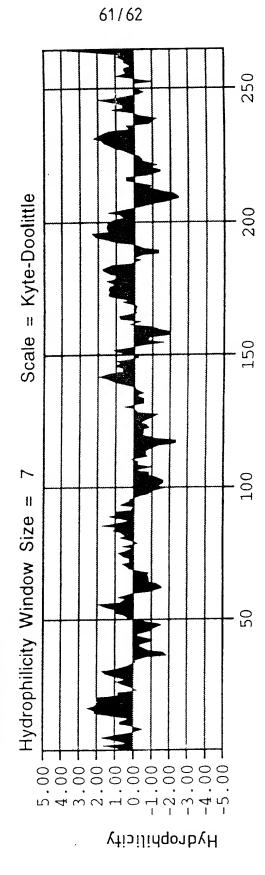
Ø ŏ K Д Н 멌 HI M · M 口 出 241

840 GGTTGGGCGGCCAGAAGTGAGACCCCCGGGGCCAGGAGCCCCTTGAGCAGAGCTCTGCAC . 四 闰 Õ ტ 以 261

900 CCAGCCTGCCCGCCCACACCATCCTGCTGGTCCTCCCAGCGCTGCTGTTGCACCTGTGAG П П Д ILLVL H 口 ď

CCCCACCAGACTCATTTGTAAATAGCGCTCCTTCCTCCCCTCTCAAATACCCTTATTTA 960 TTTATGTTTCTCCCAATAAA





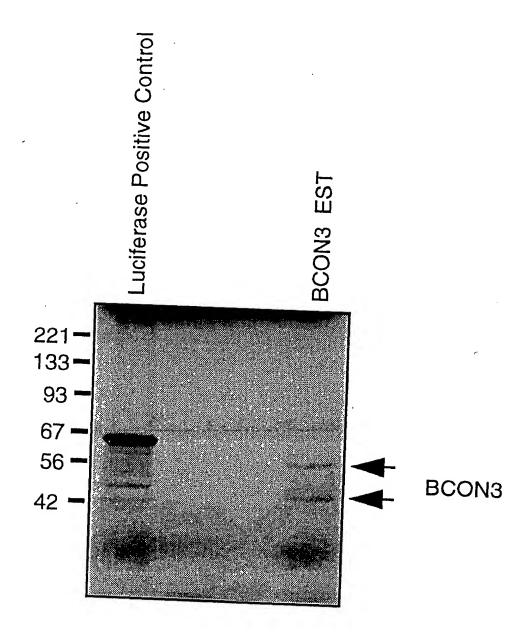


FIG 21